

Semantic Web Technologies II

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Übung Semantic Web Services

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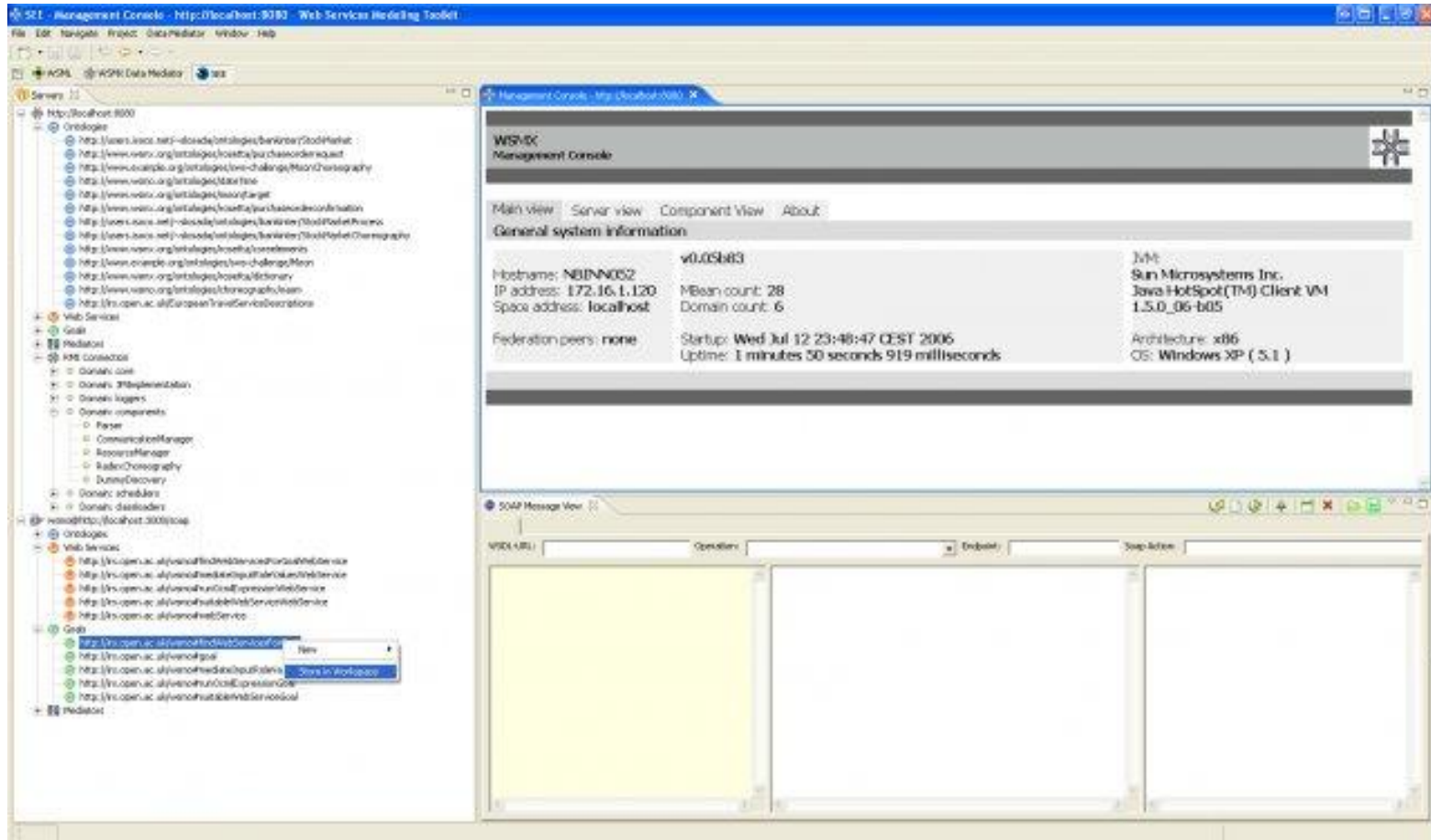
- Topics today:
 - Mashups and Semantic Mashups
 - Semantic Management of Web Services

Semantic Management of Web Services

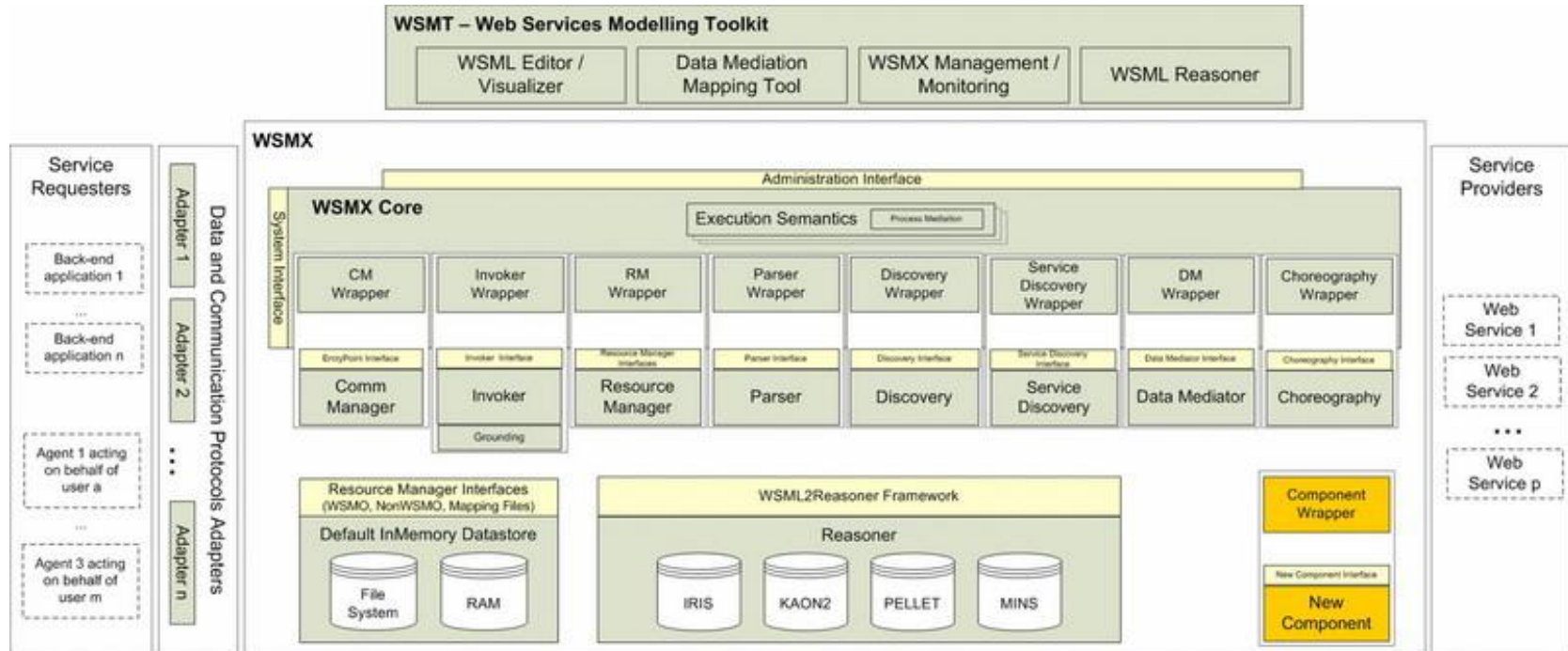
- Example: Web Service Execution Environment (WSMX)
 - Server application for storing and managing WSMO descriptions (e.g. Goals, Web Services, Ontologies, Mappings)
 - Support for semantic WS discovery, composition, mediation, execution
 - <http://www.wsmx.org>

Web Service Modelling Toolkit (WSMT)

■ Client for WSMX



WSMX Architecture

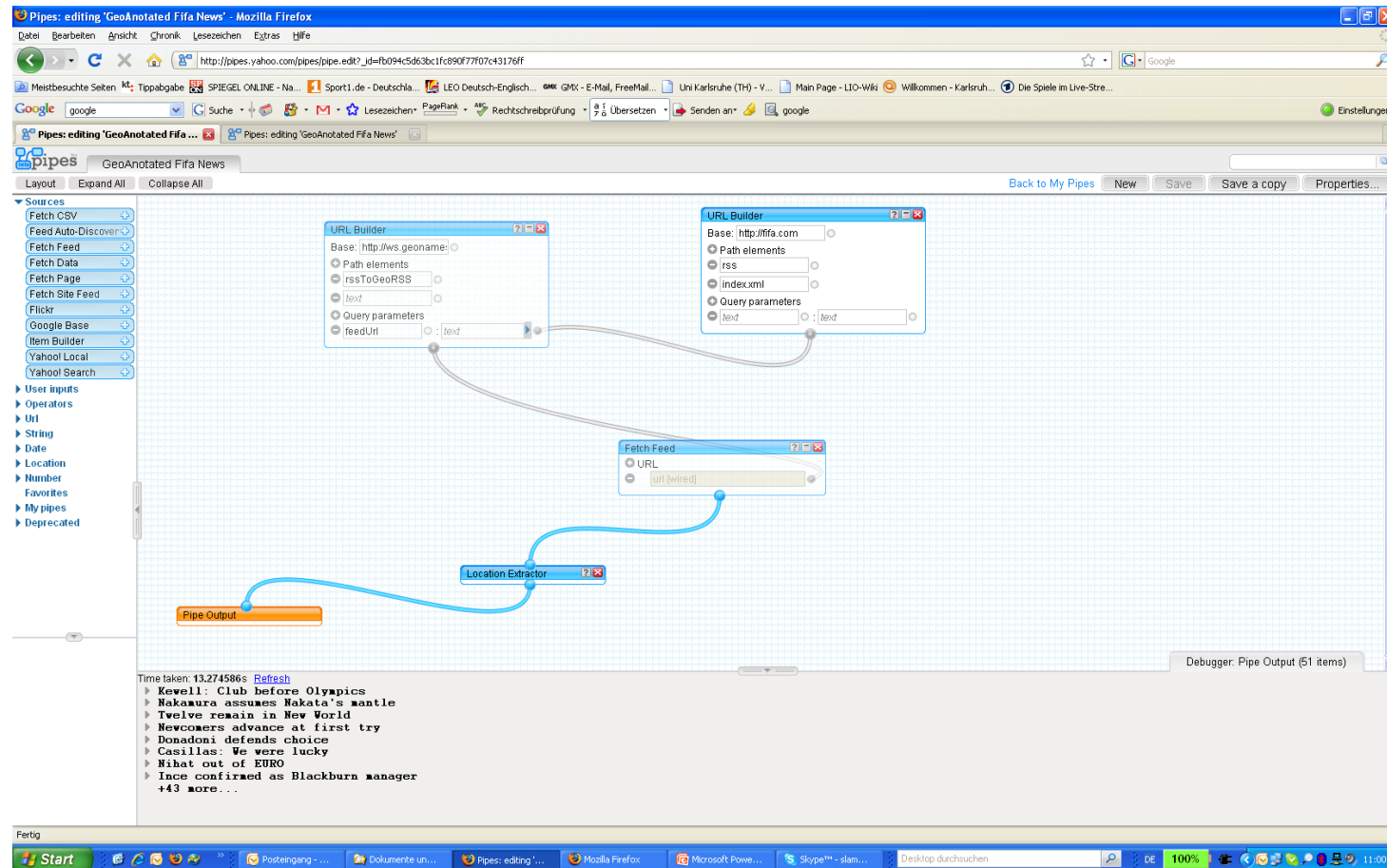


WSMX Resources

- Tutorial:
 - <http://www.wsmo.org/TR/d17/resources/200609-aswc/ASWC06-WSMX-hands-on.zip>
- Tomcat:
 - <http://tomcat.apache.org/>
- WSMX:
 - <http://www.wsmx.org:8080/wsmxsite/>
- WSMT:
 - <http://sourceforge.net/projects/wsmt>

Mashups

■ Example: Yahoo! Pipes (http://pipes.yahoo.com)



Semantic Mashups/Pipes

- Problem: Information is represented using RSS (lists of items)
- Semantic pipes: Use ontologies as representation formalism
- Prototype: Semantic Web Pipes
 - RDF documents “in pipes”
 - <http://pipes.deri.org>